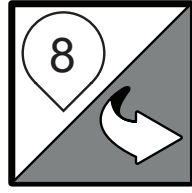
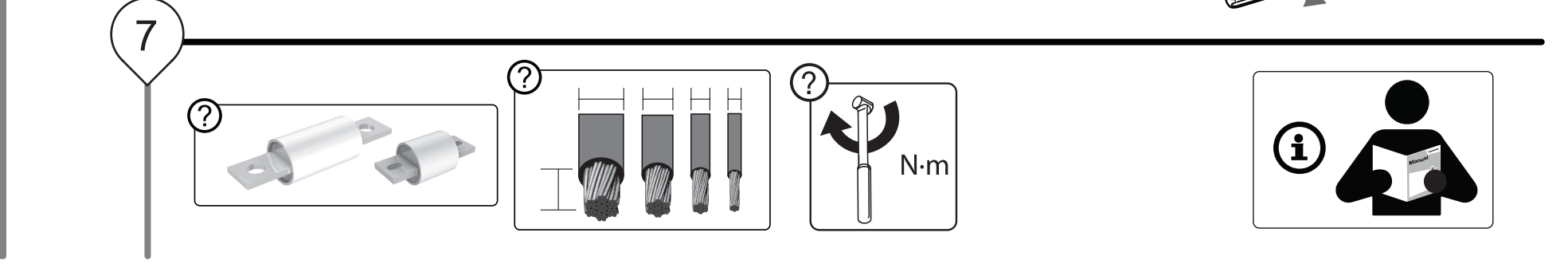
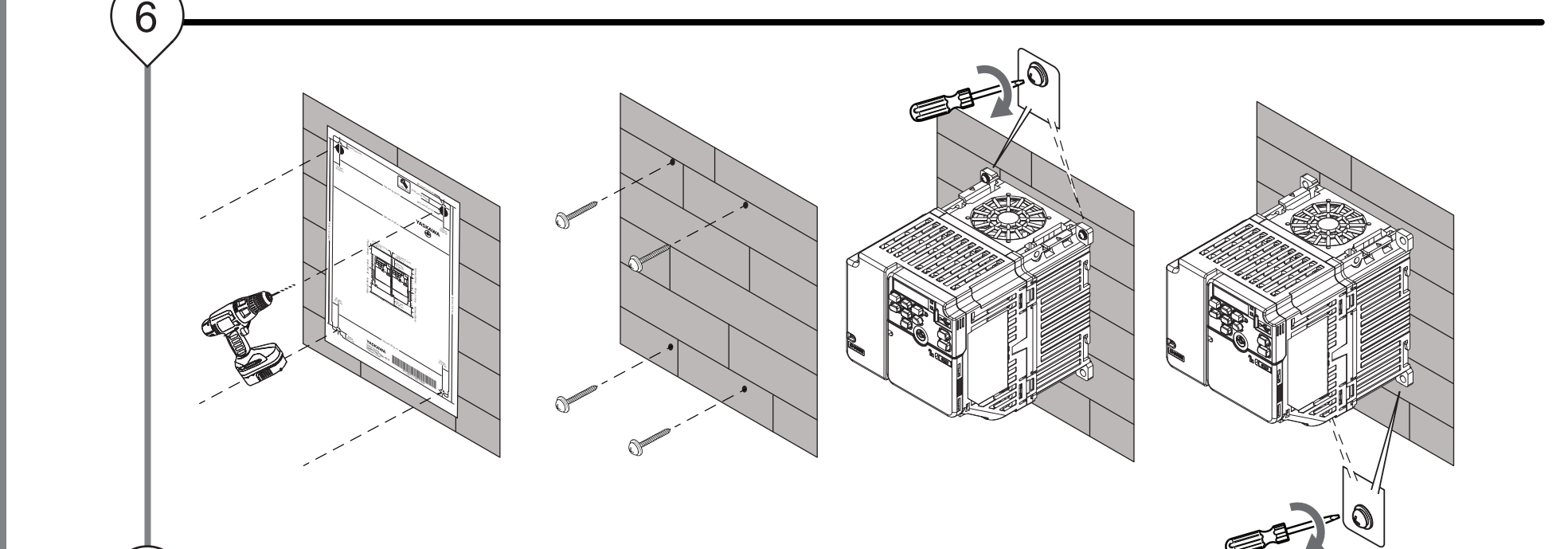
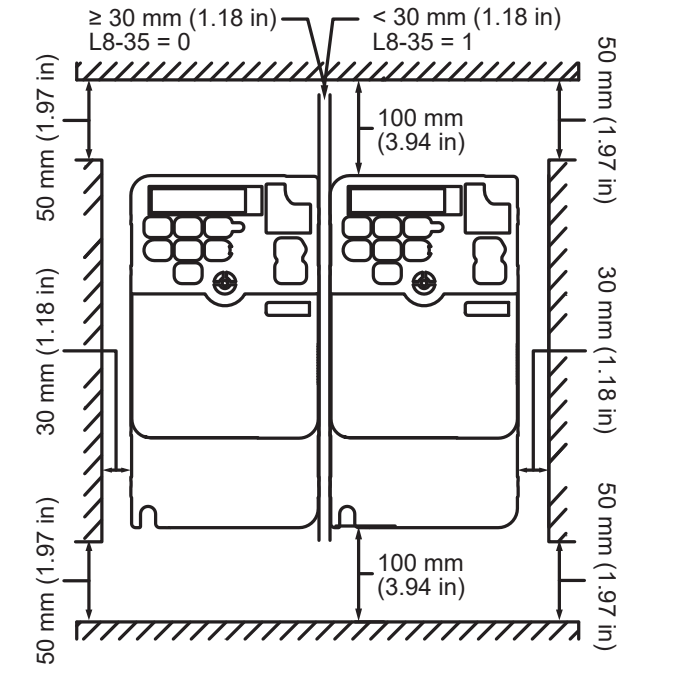
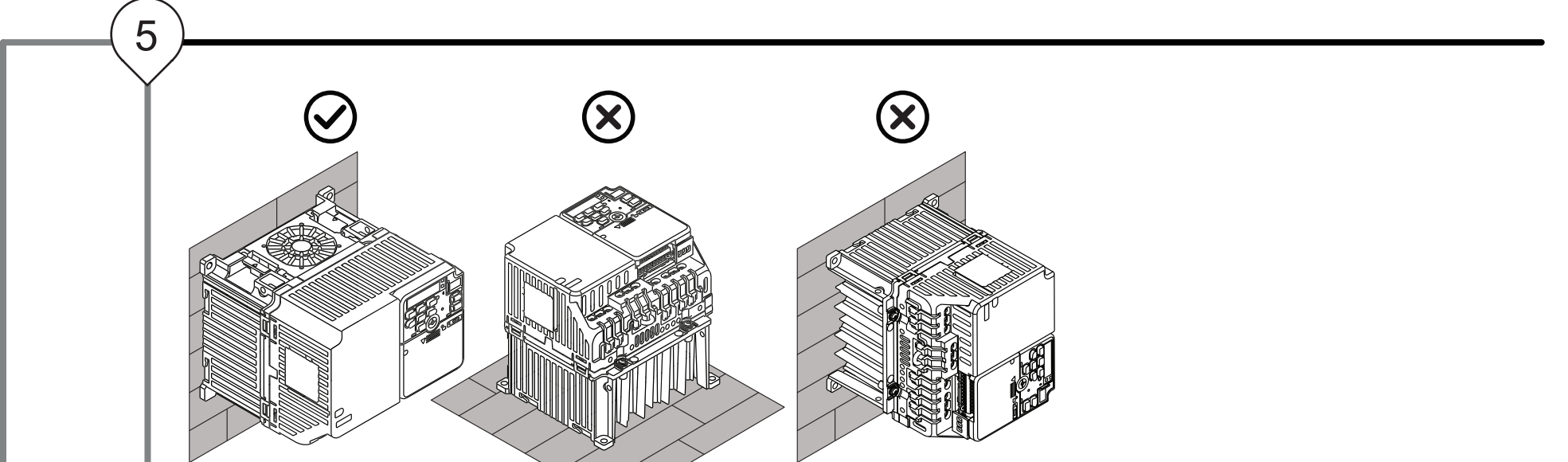
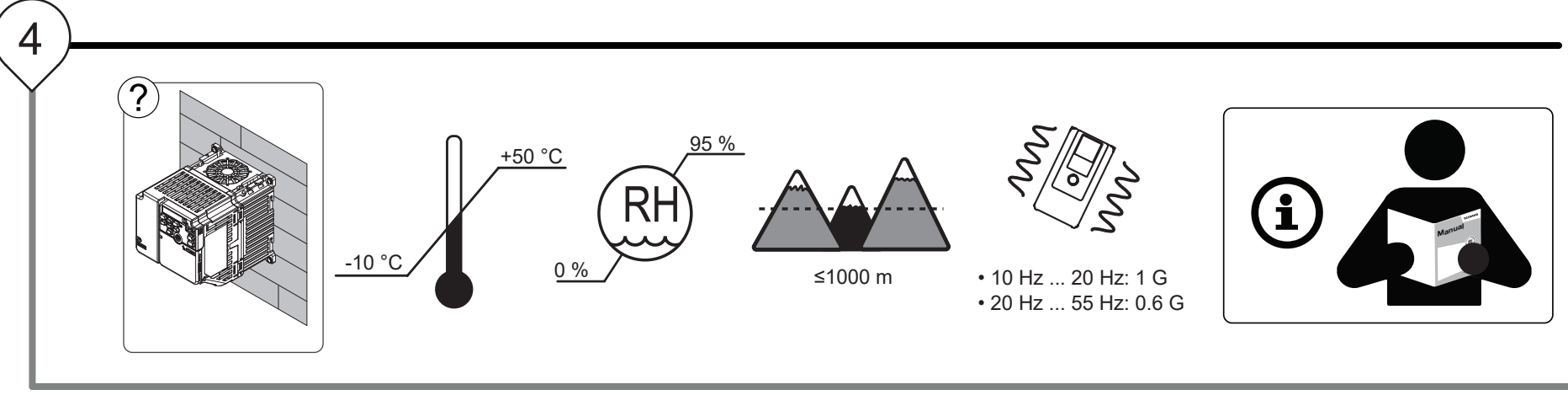
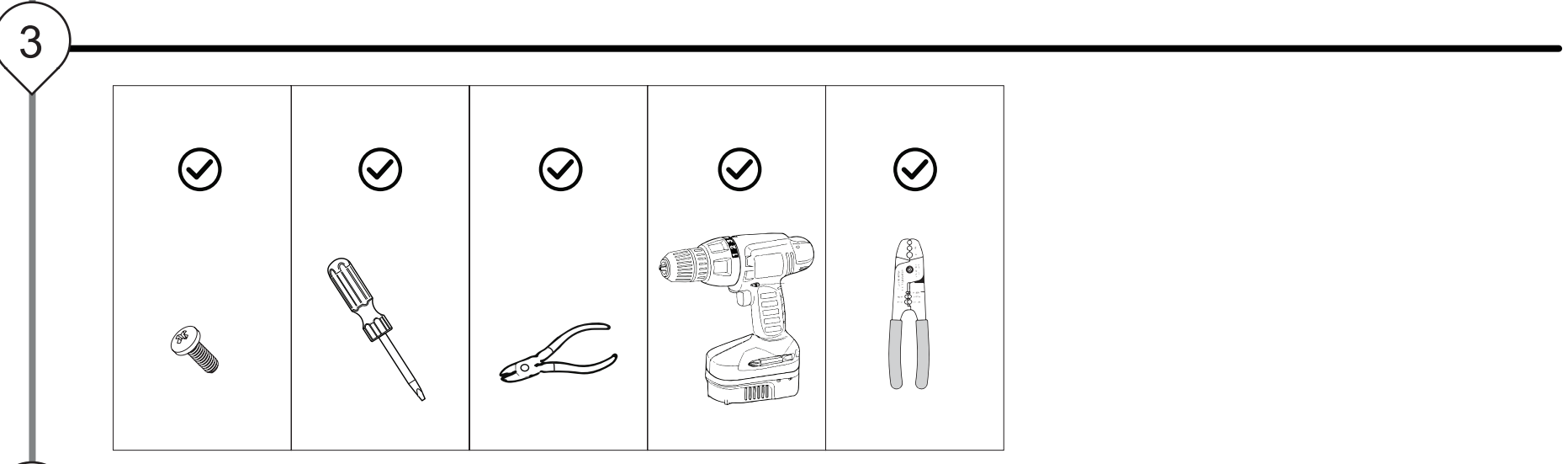
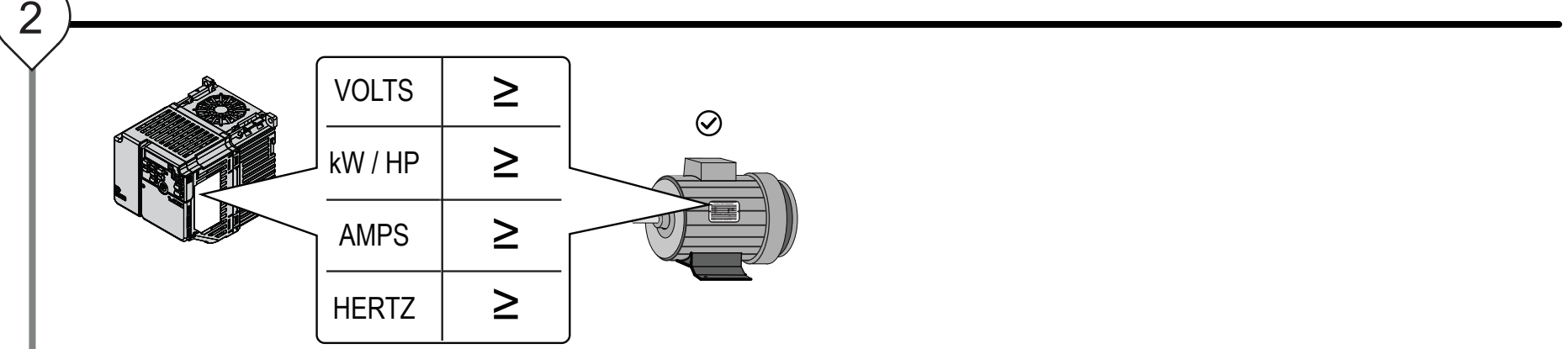
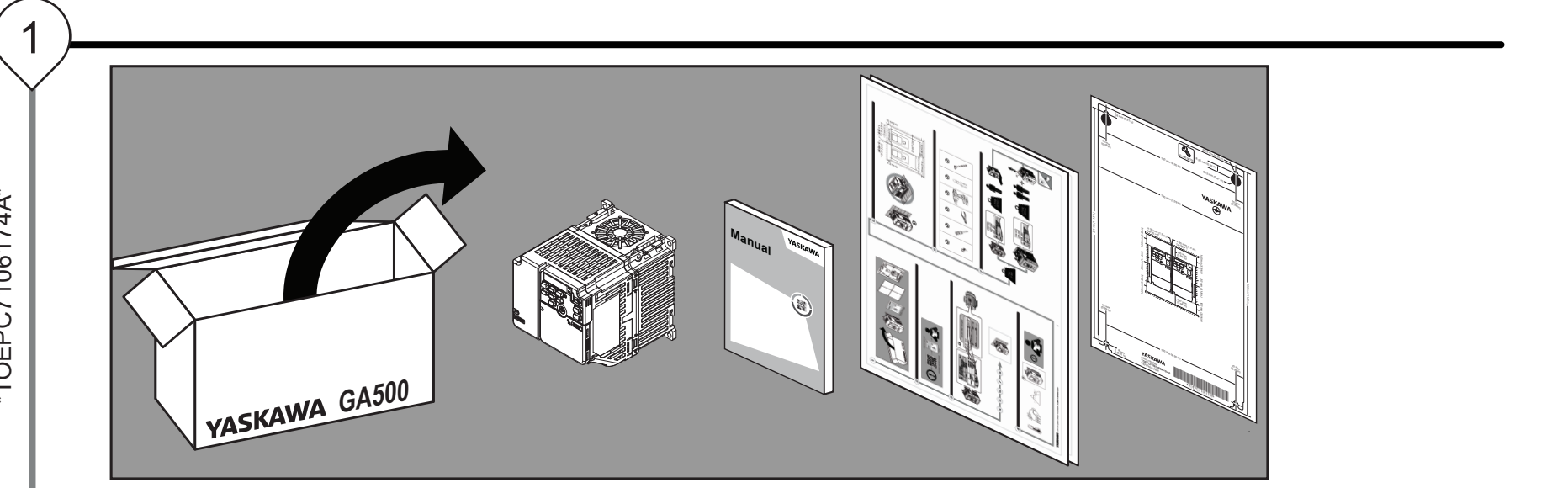
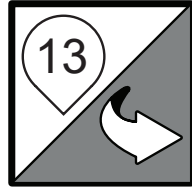
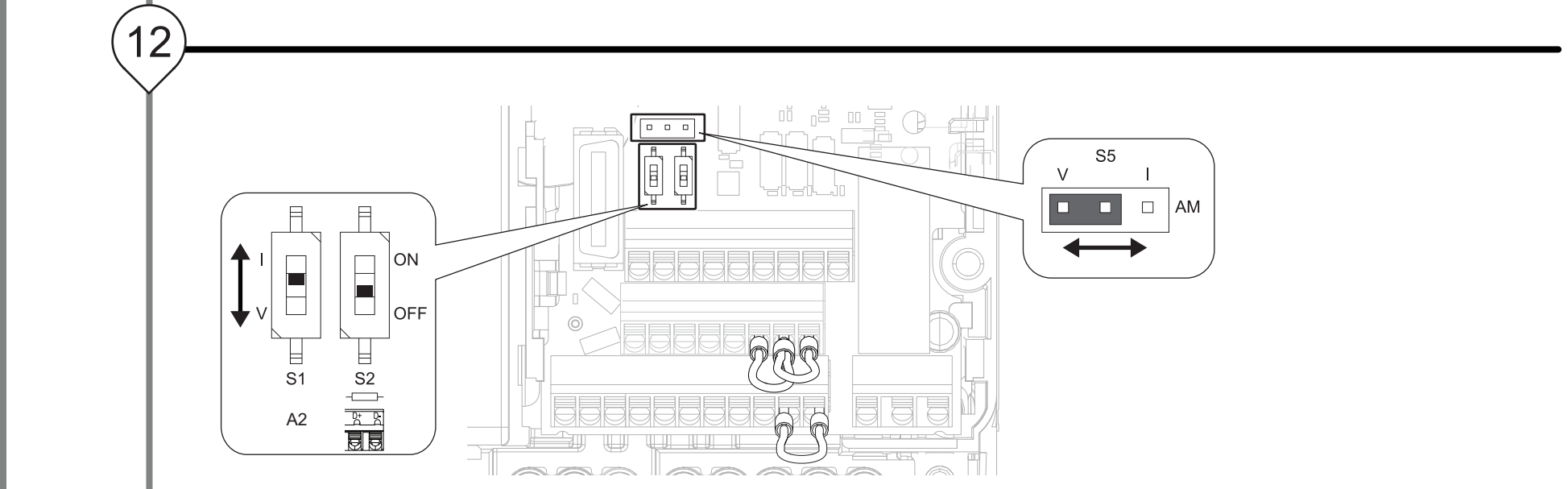
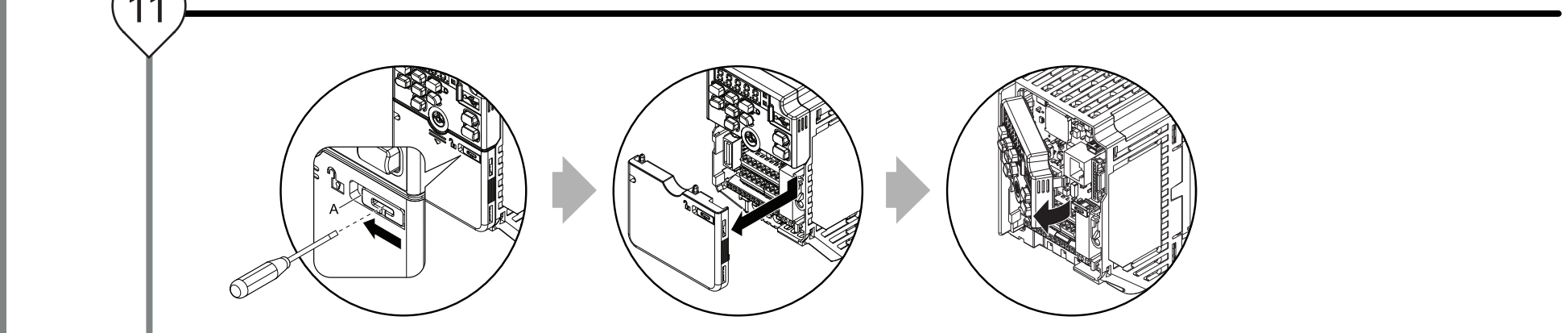
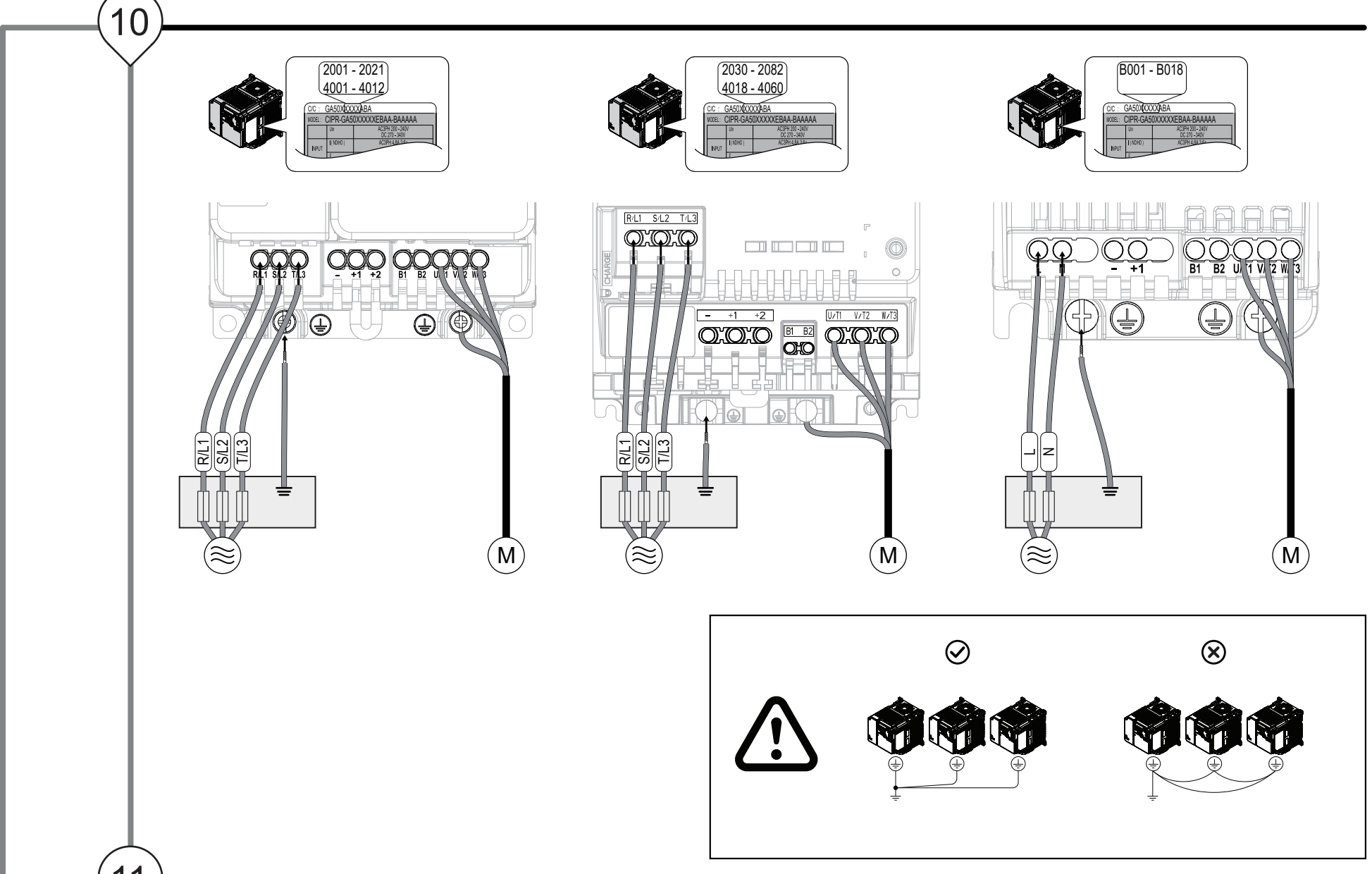
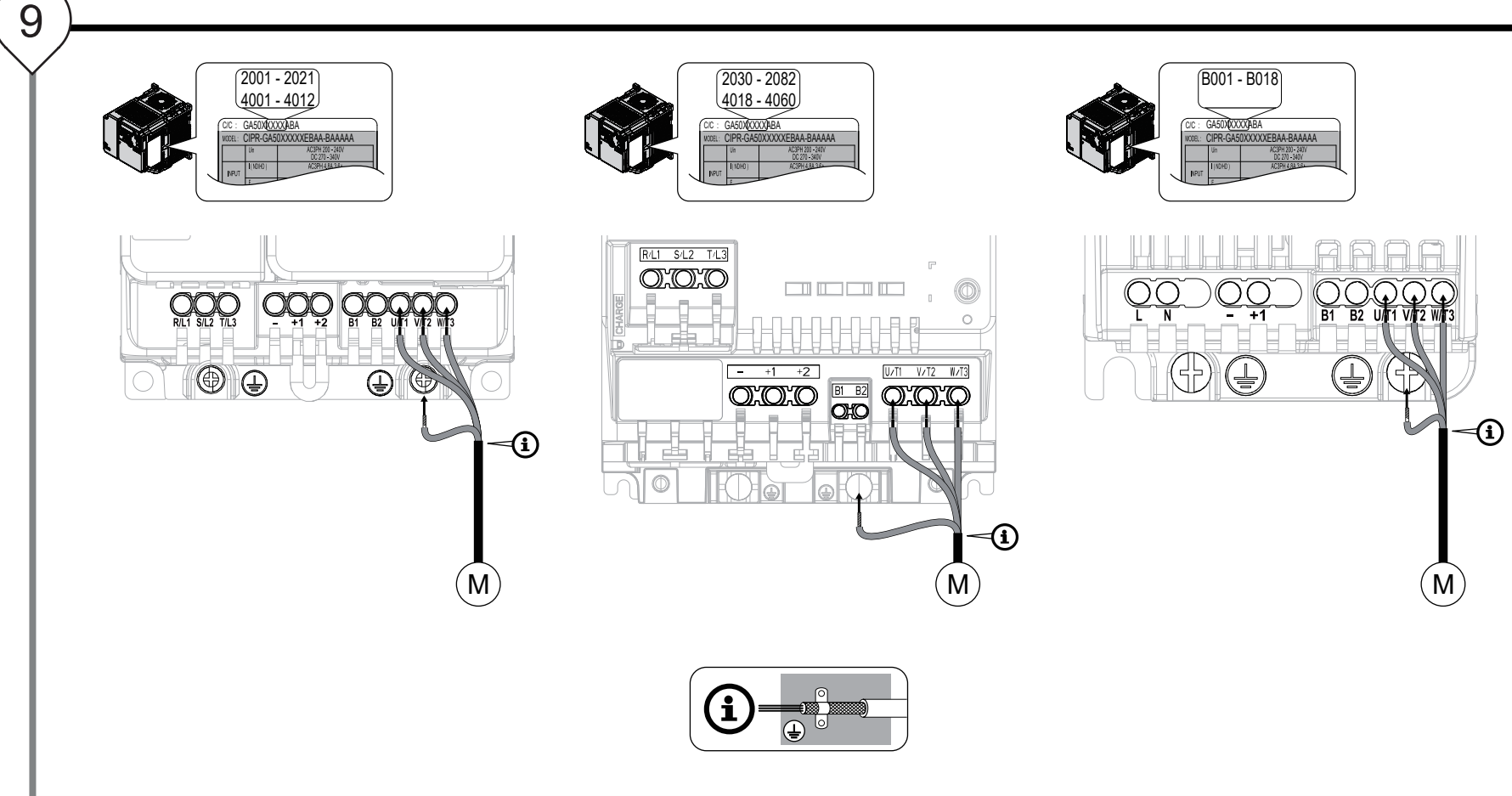
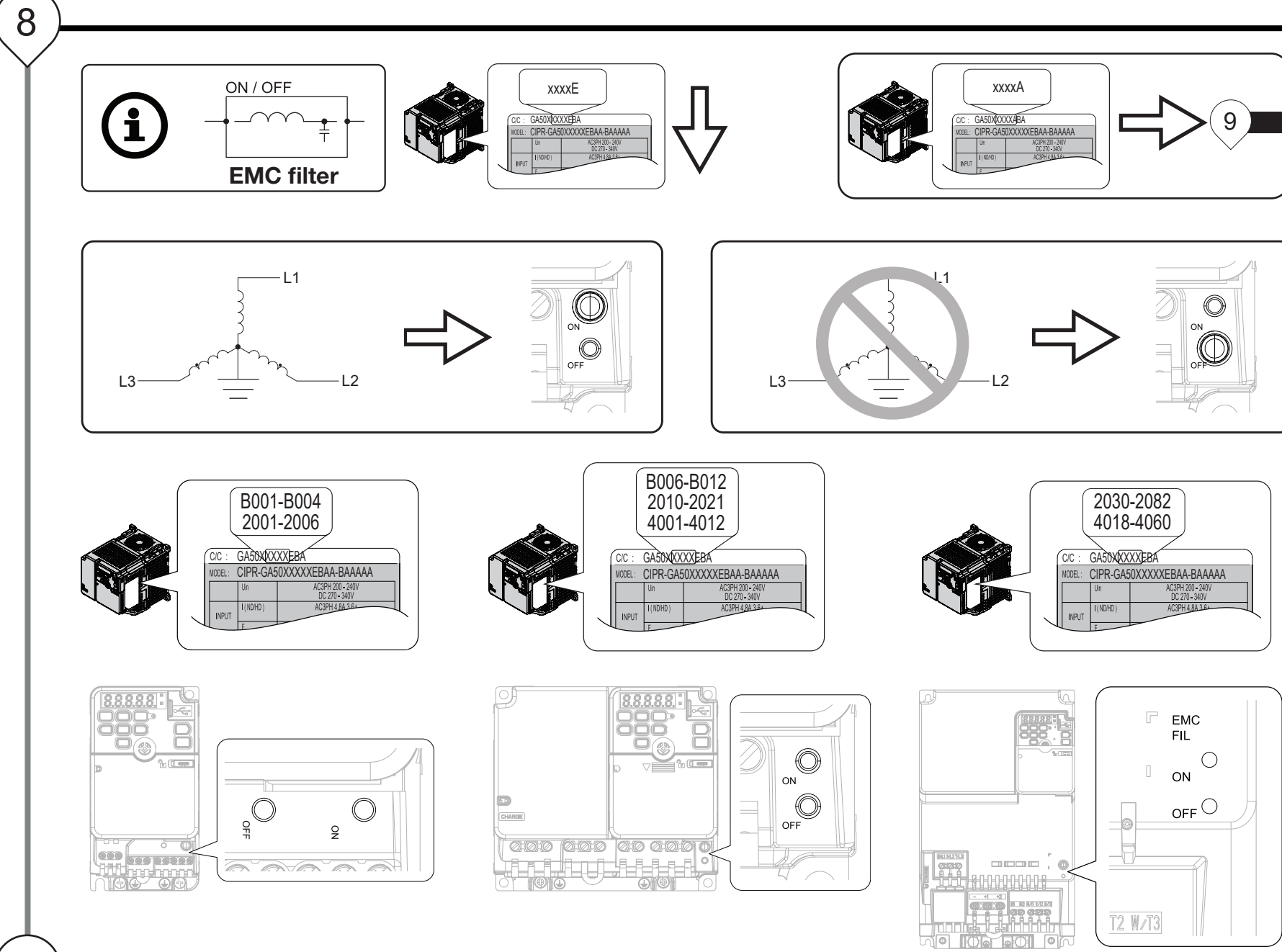
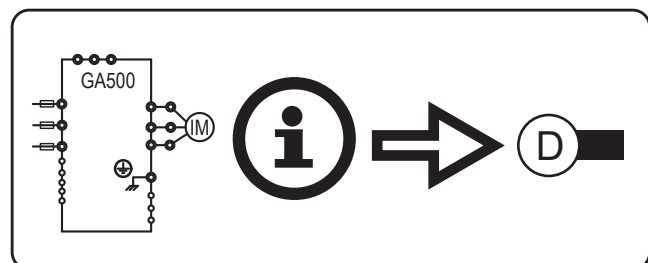
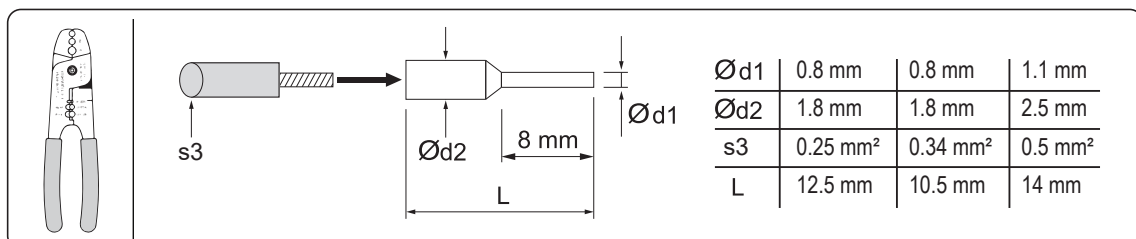
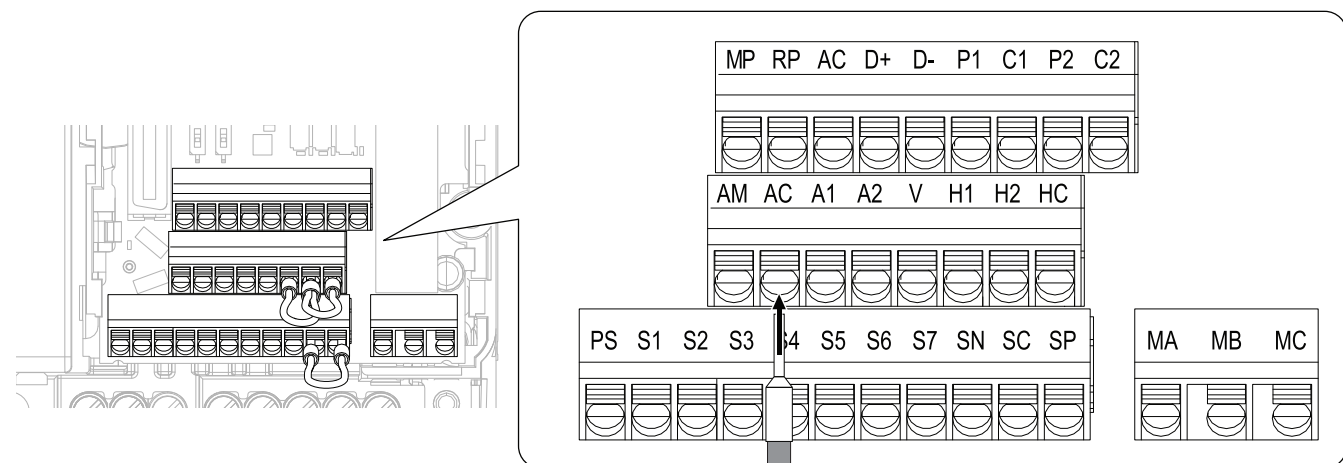


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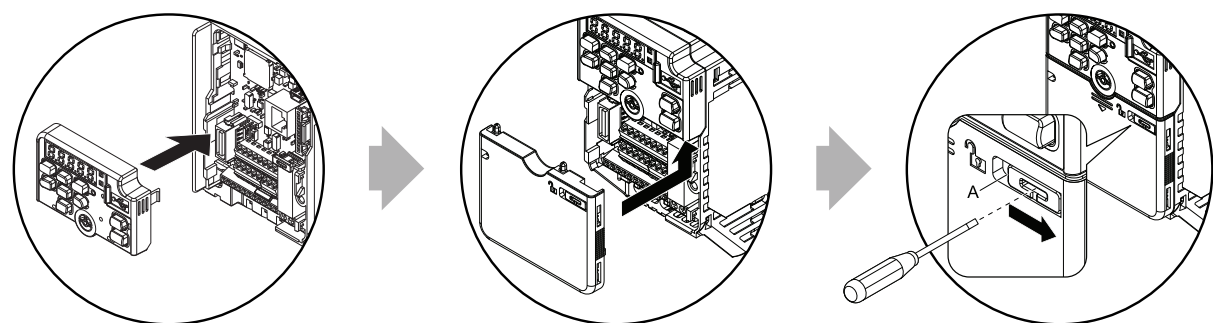




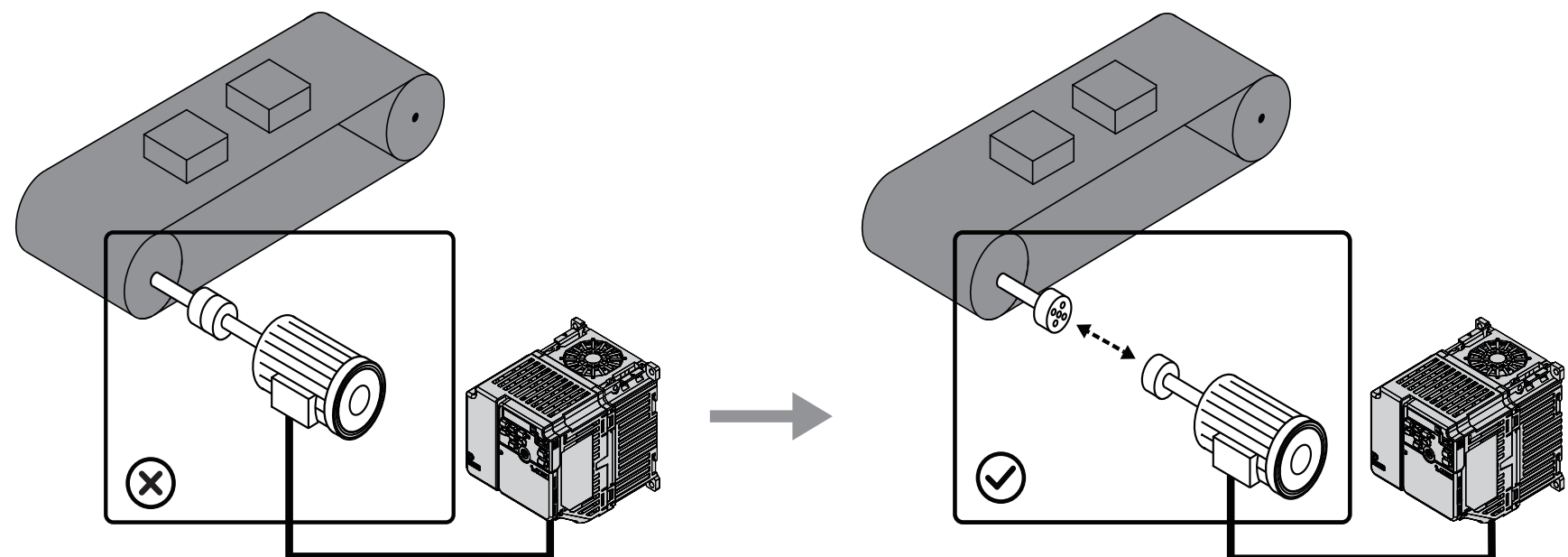
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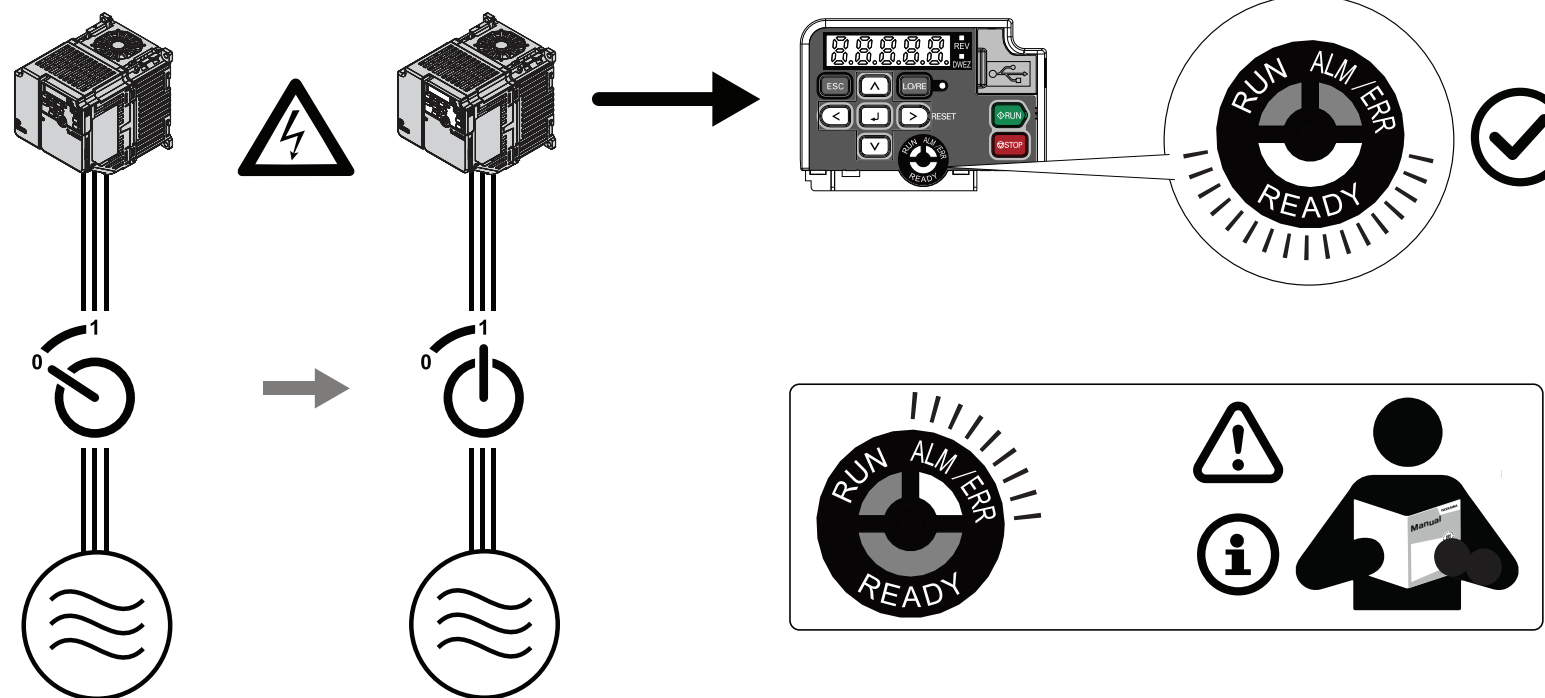
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A

A: Initialization Parameters A1 Initialization A2 User Parameters b: Application b1 Operation Mode Selection b2 DC Injection Braking and Short Circuit Braking b3 Speed Search b4 Timer Function b5 PID Control b6 Dwell Function b8 Energy Saving C: Tuning C1 Accel & Decel Time C2 S-Curve Characteristics C3 Slip Compensation C4 Torque Compensation C5 Automatic Speed Regulator (ASR) C6 Duty & Carrier Frequency	d: Reference Settings d1 Frequency Reference d2 Reference Limits d3 Jump Frequency d4 Frequency Ref Up/Down & Hold d6 Field Weakening/Forcing d7 Offset Frequency E: Motor Parameters E1 V/f Pattern for Motor 1 E2 Motor Parameters E3 V/f Pattern for Motor 2 E4 Motor 2 Parameters E5 PM Motor Settings E9 Motor Setting F: Options F1 Fault Detection in PG Speed Control F6 Communication Options F7 Communication Options	H: Terminal Functions H1 Digital Inputs H2 Digital Outputs H3 Analog Inputs H4 Analog Outputs H5 Modbus Communication H6 Pulse Train Input/Output H7 Virtual MFIO selection L: Protection Functions L1 Motor Protection L2 Power Loss Ride Through L3 Stall Prevention L4 Speed Detection L5 Fault Restart L6 Torque Detection L7 Torque Limit L8 Drive Protection n: Special Adjustment n1 Hunting Prevention n2 Auto Freq Regulator (AFR) n3 High Slip/Overexcite Braking n5 Feed Forward Control n6 Online Tuning n7 EZ Drive n8 PM Motor Control Tuning nA PM Motor Control Tuning	o: Keypad-Related Settings o1 Keypad Display o2 Keypad Operation o3 Copy Keypad Function o4 Maintenance Monitors o5 Log Function q: DriveWorksEZ Parameters r: DWEZ Connection 1-20 T: Motor Tuning T0 Tuning Mode Selection T1 Induction Motor Auto-Tuning T2 PM Motor Auto-Tuning T3 ASR and Inertia Tuning T4 EZ Tuning U: Monitors U1 Operation Status Monitors U2 Fault Trace U3 Fault History U4 Maintenance Monitors U5 PID Monitors U6 Operation Status Monitors U8 DriveWorksEZ Monitors
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B

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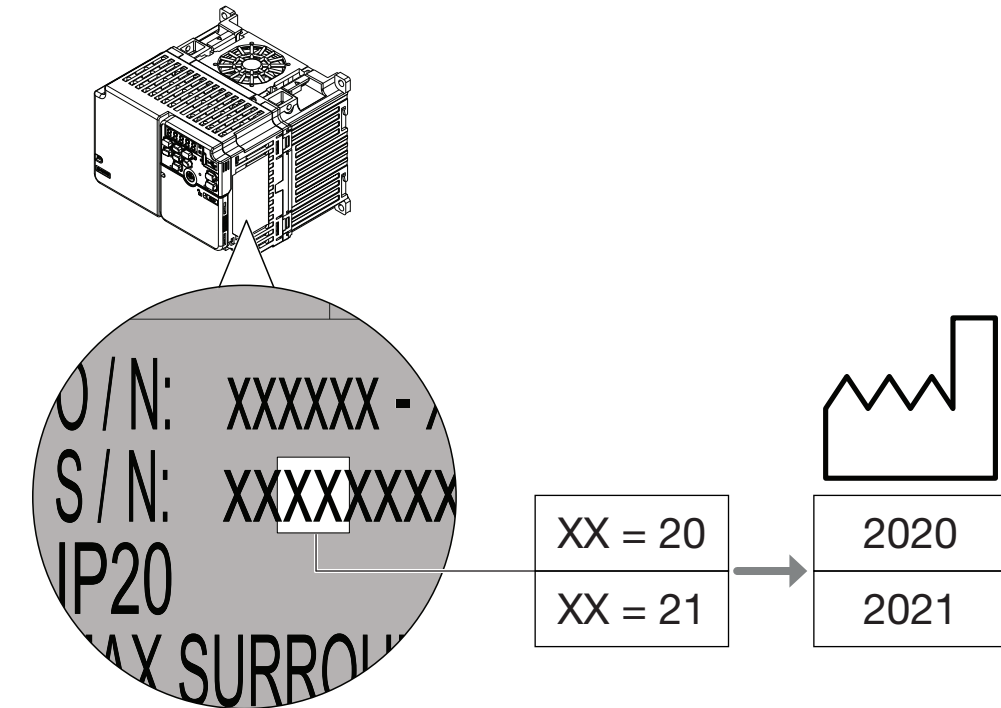
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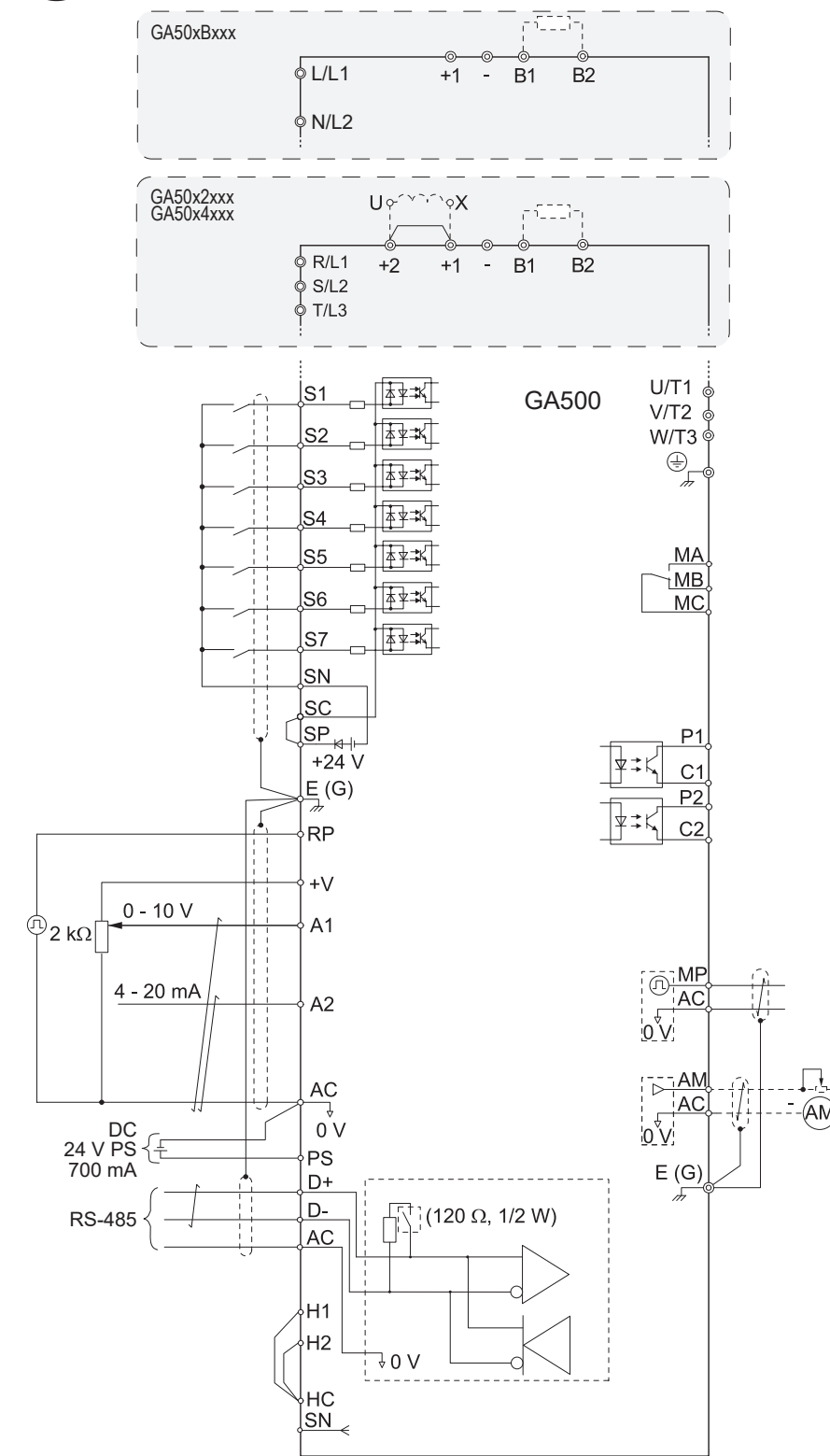
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C



D



Terminal	Type	Signal Level	Default
S1	MFDI selection 1	Photocoupler 24 V, 6 mA	Forward run/Stop
S2	MFDI selection 2		Reverse run/Stop
S3	MFDI selection 3		External fault
S4	MFDI selection 4		Fault reset
S5	MFDI selection 5		Multi-step speed reference 1
S6	MFDI selection 6		Multi-step speed reference 2
S7	MFDI selection 7		Jog command
SN	MFDI power supply 0 V		-
SC	MFDI selection common	24 V, 150 mA maximum (for external fuse)	-
SP	MFDI power supply +24 Vdc		-
H1	Safe Disable input 1	24 V, 6 mA Internal impedance: 4.7 kΩ Minimum OFF time: 3 ms	-
H2	Safe Disable input 2		-
HC	Safe Disable function common		-
RP	Master frequency reference pulse train input	Response frequency: 0 ~ 32 kHz H level duty: 30 ~ 70% H level voltage: 3.5 ~ 13.2 V L level voltage: 0.0 ~ 0.8 V Input impedance: 3 kΩ	Master frequency reference
+V	Power supply for frequency setting	10.5 V (20 mA maximum)	-
A1	MFAI1	0 V ~ +10 V/100% (input impedance: 20 kΩ)	Master frequency reference
A2	MFAI2	0 V ~ +10 V/100% (input impedance: 20 kΩ) 4 mA ~ 20 mA/100%, 0 mA ~ 20 mA/100% (input impedance: 250 Ω)	Combined to terminal A1
AC	Frequency reference common	0 V	-
E(G)	Connect shielded cable		-
MA	N.O. output	30 Vdc, 10 mA ~ 1 A	Fault
MB	N.C. output	250 Vac, 10 mA ~ 1 A	Fault
MC	Digital output common	Minimum load: 5 V, 10 mA	-
P1	Multi-functional Photocoupler Output 1	Photocoupler output 48 Vdc, 2 mA ~ 50 mA	During run
P2	Multi-functional Photocoupler Output 2		Speed agree 1
MP	Pulse train out	32 kHz maximum	Output frequency
AM	Analog Monitor Output	0 V ~ +10 V/0% ~ 100% 4 mA ~ 20 mA	Output frequency
AC	Monitor common	0 V	-
PS	External 24 V power supply input	21.6 Vdc ~ 26.4 Vdc, 700 mA	-
AC	External 24 V power supply ground	0 V	-
D+	Communication input/output (+)	MEMOBUS/Modbus, RS-485 115.2 kbps maximum	-
D-	Communication output (-)		-
AC	Shield ground	0 V	-

MFDI: Multi-Function Digital Input
MFAI: Multi-Function Analog Input